CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON CEMENT CONCRETE PAVER BLOCKS

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-35
No. of Paver Blocks tested	8
Technical Reference	IS: 15658 : 2006

Compressive Strength

Sl.No	Date of Testing	Paver Block Type	Block Thickness in mm	Plan Area in mm²	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	03/06/2015	I type design	60.3	45628	1650	**36.16**	**37.07**
2			60.2	45622	1660	**36.39**	
3			60.1	45567	1710	**37.53**	
4			60.2	45588	1700	**37.29**	
5			60.3	45568	1720	**37.75**	
6			60.4	45572	1680	**36.86**	
7			60.3	45586	1690	**37.07**	
8			60.2	45589	1710	**37.51**	

Water Absorption

Sl.No	Date of Testing	Water Absobtion (% by weight)	Average (% by Wt.)	Requirements as per IS: 15658 : 2006
1	03/06/2015	5.4	5.40	When three units are tested the average water absorption shall not be more than 6% by mass and in individual samples, the water absorption should be restricted to 7 percent.
2		5.5		
3		5.3		

Note:

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TEST REPORT

GAUGE TEST ON M.S.PIPE Nominal Size 38mm

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	03/06/2015

Gauge Test				
Nominal Size in mm	**Guage**	**Measured Thickness in mm**	**Min. As Per IS : 1136-2008 in mm**	**Remarks**
38	**14**	1.99	**1.99**	**Satisfies The Requirement**

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TEST REPORT

TEST ON MS FLAT 40mm x 6mm

Name and Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Agency Name	M/s. K. R. I. D. L.
Date of Testing	03/06/2015

Sl.No.	Description	IS 2062-1999 & IS 1730-1989 Min. Requirements	Result	Remarks
1	Weight in Kg/mt	1.88	1.89	Satisfactory
2	Bend Test	No Cracks or Fractures	PASS	Satisfactory
3	Elongation (%)	23	24	Satisfactory
4	U T S (N/Sq.mm)	410	418	Satisfactory

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TEST REPORT

GAUGE TEST ON CHAIN LINK GAUGE-8

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	03/06/2015

Gauge Test

Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
8	4.11	**4.11**	**Satisfies The Requirement**

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TEST REPORT

GAUGE TEST ON G.I. PIPE Nominal Size 75mm

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	03/06/2015

Gauge Test

Nominal Size in mm	Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
75	**14**	1.99	**1.99**	**Satisfies The Requirement**

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TEST REPORT

TEST ON STEEL ANGLES 65x65x6mm

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	03/06/2015

Sl.No.	Description	Result	IS 2062-1999 & 808-1989 Min. Requirements	Remarks
1	Wt/m Length (Kg/m)	5.9	5.8	Satisfactory
2	Elongation (%)	25	23	Satisfactory
3	U T S (N/Sq.mm)	420	410	Satisfactory

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CIVIL TECH LABS BANGALORE

(KHUSHBOO L)
Quality Manager

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TEST REPORT

TESTS ON SOLID BLOCKS

Name & Address of the Customer	AEE, Project Sub Division Yelahanka Zone , BBMP
Name of Work	Improvements to park at Lakkappa layout near Singapura Village in ward no. 11.
Name of the Agency	M/s. K. R. I. D. L.
Date of Testing	03/06/2015
Technical Reference	IS: 2185(Part-I)-2005 (Reaffirmed 2010)
No. of samples tested	8
Grade	C (4.0)

1. COMPRESSIVE STRENGTH

Sl. No.	Nominal Dimension (cms)	Compressive strength (N/mm²)	Minimum Compressive Strength as per IS: 2185(Part-I)-2005 (Reaffirmed 2010)	
			Individual	Avg. of 8 samples
1	40x20x20	4.3	**Minimum Compressive Strength of Individual Units**	**Minimum Average Compressive Strength of Units**
2		4.4		
3		4.5	For Grade C (5.0)- 4.0 N/mm² For Grade C (4.0)- 3.2 N/mm²	For Grade C (5.0)- 5.0 N/mm² For Grade C (4.0)- 4.0 N/mm²
4		4.6		
5		4.5		
6		4.7		
7		4.6		
8		4.5		
Average Compressive strength (N/mm²)		**4.5**		

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2. WATER ABSORPTION

Sl. No.	Nominal Dimension (cms)	Water Absorption (% by weight)	Average (% by weight)	Requirements as per IS : 2185(Part-I)-2005 (Reaffirmed 2010)
1	40x20x20	7.44	**7.46**	When three samples are tested the average water absorption shall not be more than 10% by mass
2		7.48		
3		7.46		

3. BLOCK DENSITY

Sl. No.	Nominal Dimension (cms)	Block Density (Kg/cum)	Average (Kg/cum)	Requirements as per IS : 2185(Part-I)-2005 (Reaffirmed 2010)
1	40x20x20	1866.3	**1867.7**	The Solid Concrete blocks used as load bearing units shall have average block density not less than 1800Kg/m^3
2		1867.9		
3		1869.0		

Remarks	Satisfies the Requirements.

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